Listing of the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Amendments to the Claims:

Claims 1-21 (canceled)

22. (previously presented): A transparent, non-elastomeric, polythiourethane/urea material comprising the reaction product of:

(a) at least one (α, ω)-diiso(thio)cyanate prepolymer having a number average molecular weight ranging from 100 to 3000 $gmol^{-1}$, said prepolymer being free from disulfide (-S-S-) linkage, and

(b) at least one aromatic primary diamine, in an equivalent molar ratio amine function/iso(thio)cyanate function (NH_2/NCX, X=0,S) ranging from 0.5 to 2, said aromatic primary diamine being free from disulfide (-S-S-) linkage, and

wherein, at least one of the prepolymer or the diamine contains one or more S atoms in its chain.

23. (previously presented): The transparent, non elastomeric polythiourethane/urea material of claim 22, wherein the equivalent ratio NH_2/NCX ranges from 0.90 to 1.10.

24. (previously presented): The material of claim 22, wherein the equivalent ratio NH_2/NCX ranges from 0.93 to 0.95.

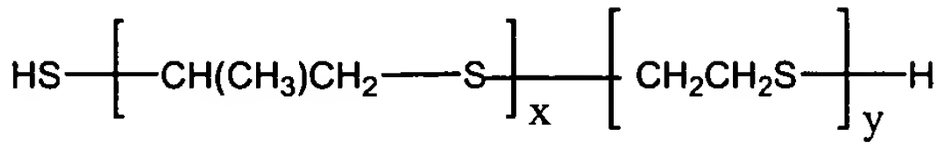
25. (currently amended): The material of claim 22, wherein the (α, ω)-diiso(thio)cyanate ~~cycloaliphatic or aromatic~~ prepolymer is a cycloaliphatic or aromatic prepolymer and wherein the prepolymer is the reaction product of at least one (α, ω) diol or dithiol prepolymer and at least one cycloaliphatic or aromatic diiso(thio)cyanate.

26. (previously presented): The material of claim 25, wherein the (α, ω) diol or dithiol prepolymer contains at least one S atom in its chain.

27. (previously presented): The material of claim 25, wherein the (α, ω) diol or dithiol prepolymer is a polysulfide or a mixture of polysulfides.

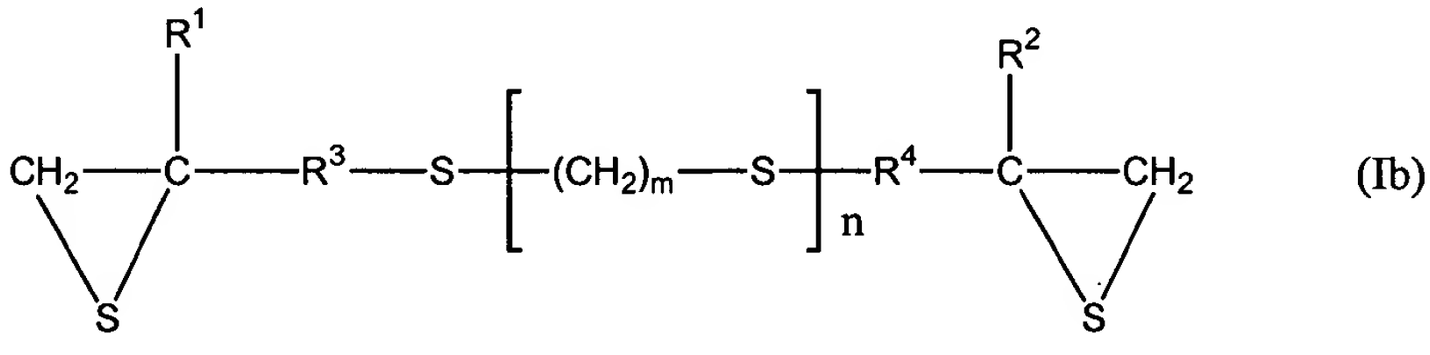
28. (currently amended): The material of claim 27, wherein the polysulfide or mixture of polysulfides is selected from the group consisting of :

- Prepolymers of formula :



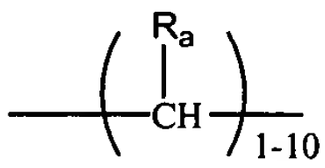
in which x and y are such that the number average molecular weight of the prepolymer ranges from 100 to 3000 $gmol^{-1}$;

-prepolymers resulting from the polymerization of diepisulfides of formula:



(Ib)

in which R^1 and R^2 are, independently from each other, H, alkyl, aryl, alkoxy, alkylthio or arylthio ; R^3 and R^4 are, independently from each other,



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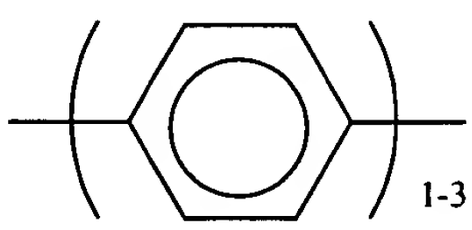
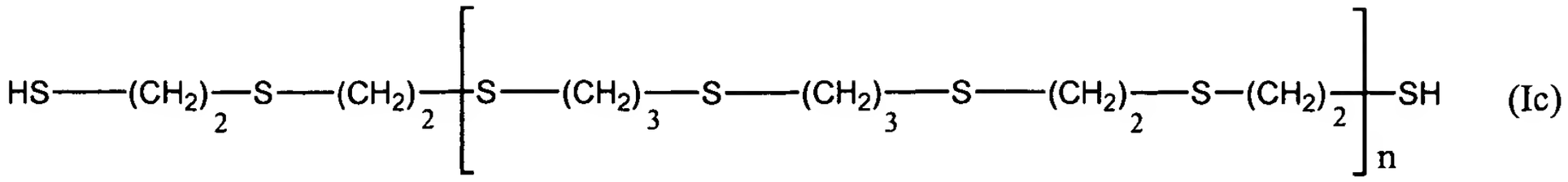


;

R_a designates H, alkyl, aryl, alkoxy, aryloxy, alkylthio or arylthio and, n is an integer from 0 to 4 and m is an integer from 1 to 6, and

-prepolymers of formula:

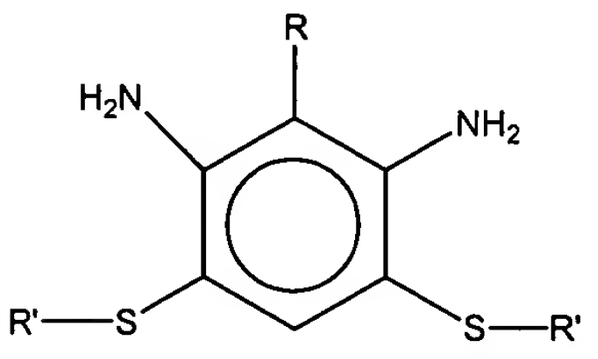


(Ic)

where n is such that the number average molecular weight ($\overline{M}_n$) of the prepolymer ranges from 500 to 1500~~, preferably from 650 to 1350~~ g mol^{-1}.

29. (previously presented): The material of claim 22, wherein the aromatic diamine contains at least one S atom in its molecule.

30. (previously presented): The material of claim 29 wherein the diamine is selected from



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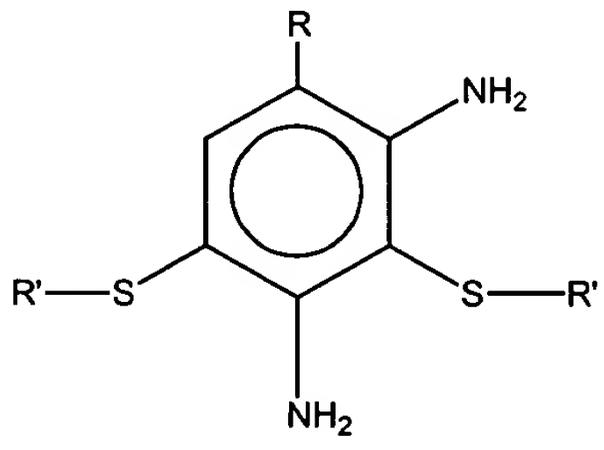

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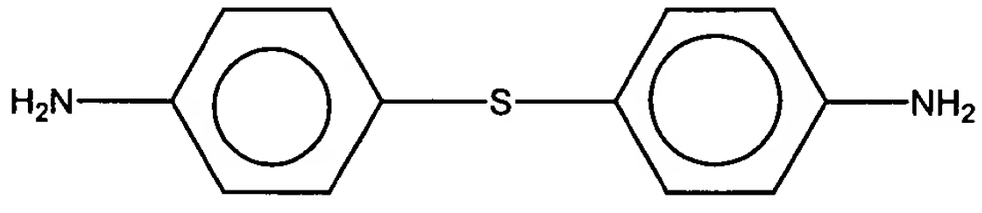
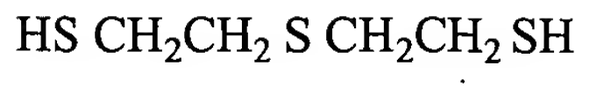
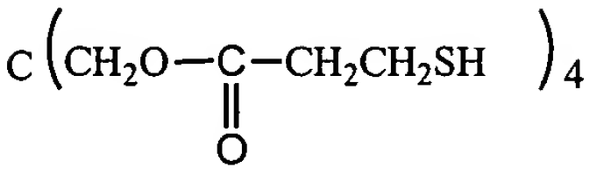


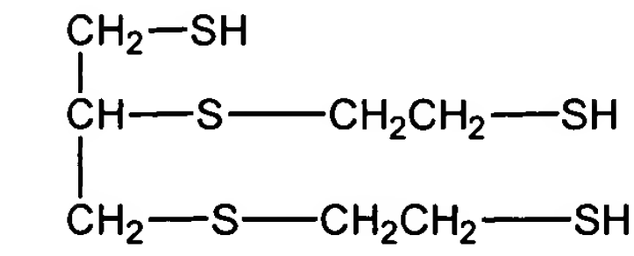
in which R is H or an alkyl group and R' is an alkyl group, and mixtures of the above diamines.

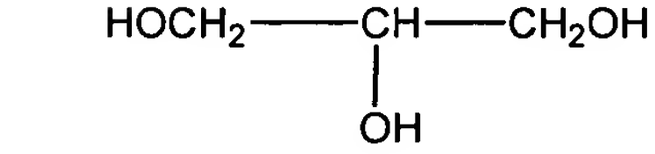
31. (previously presented): The material of claim 22, wherein the material is also the reaction product of the (α, ω)-diiso(thio)cyanate prepolymer with a di-, tri- or tetra alcohol, a di-, tri or tetrathiol or a mixture thereof.

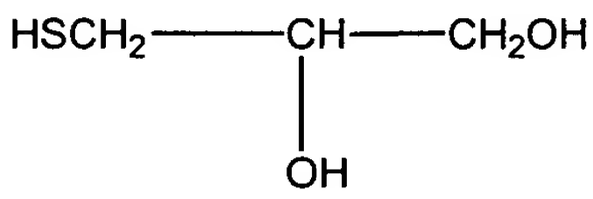
32. (previously presented): The material of claim 31, wherein the alcohols and thiols are selected from the groups consisting of :

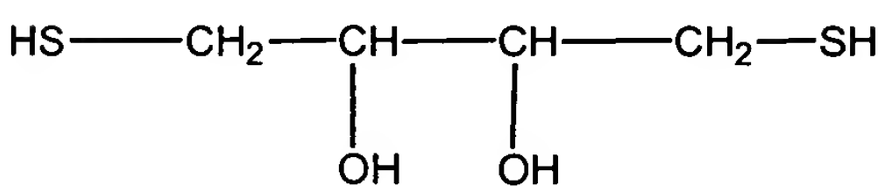


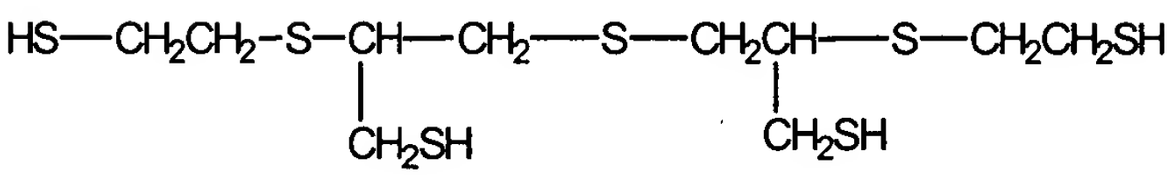


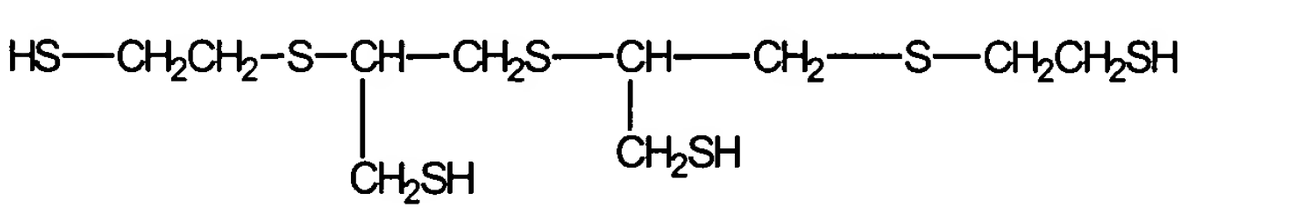


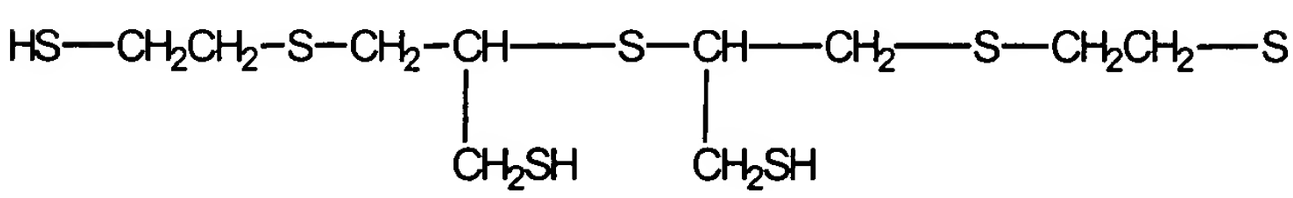












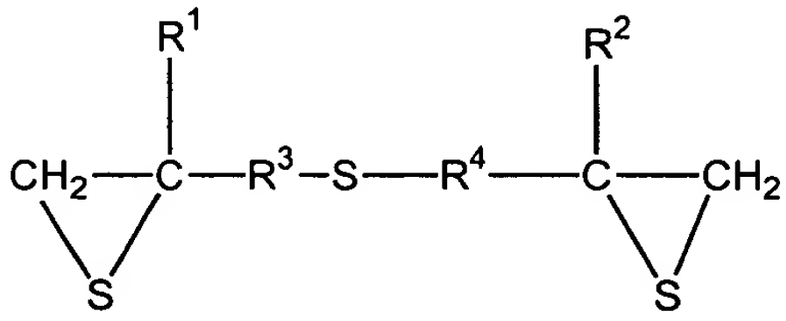
and mixtures thereof.

33. (previously presented): The material of claim 22 having a refractive index, n_D^{25}, higher than 1.53.

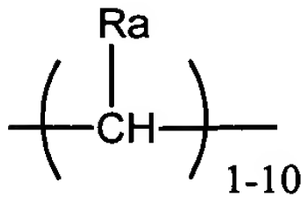
34. (previously presented): The material of claim 22 having a refractive index, n_D^{25}, of at least 1.55.

35. (previously presented): The material of claim 22 having a refractive index, n_D^{25}, of at east 1.57.

36. (previously presented): The material of claim 27, wherein the polysulfide is an hyperbranched polysulfide resulting from the polymerization of a diepisulfide of formula :



in which R^1 and R^2 are, independently from each other, H, alkyl, aryl, alkoxy, alkylthio or arylthio, R^3 and R^4 are independently from each other,



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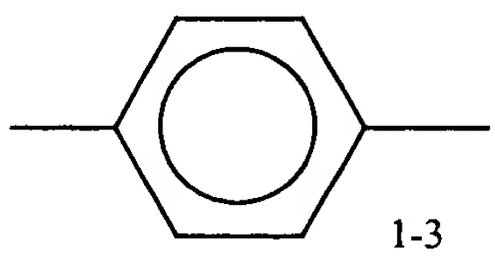
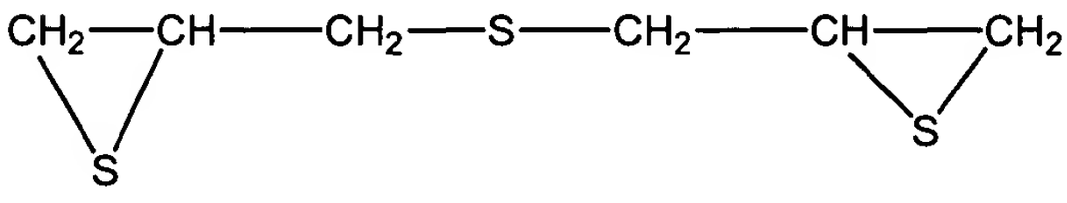


,

Ra designates H, alkyl, aryl, alkoxy, aryloxy, alkylthio or arylthio, with 2-mercaptoethyl sulfide (DMES).

37. (previously presented): The material of claim 36, wherein the diepisulfide has formula :



38. (previously presented): An optical article made from a material according to claim 22.

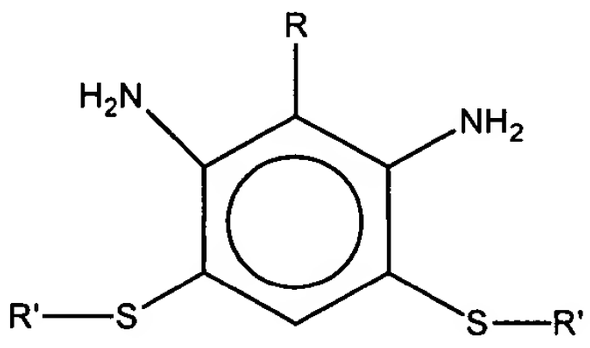
39. (new): The material of claim 28, wherein n is such that the number average molecular weight ($\overline{M}_n$) of the prepolymer ranges from 650 to 1350 g mol^{-1}.

40. (new): The material of claim 25, wherein the prepolymer is the reaction product of at least one (α, ω) dithiol prepolymer.

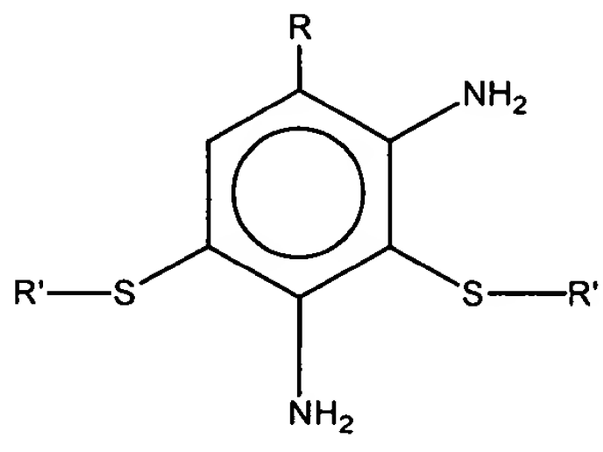
41. (new): The material of claim 25, wherein the prepolymer is the reaction product of at least one (α, ω) dithiol prepolymer further comprising at least one S atom in its chain.

42. (new): The material of claim 30, wherein R and R' are CH_3.

43. (new): The material of claim 30, wherein the diamine is a mixture 80/20 by weight of:



and



44. (new): The material of claim 43, wherein R and R' are CH_3.